

SHEET 1 OF 1

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
213575US0PCTSERIAL NO.  
09/914,782

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Takashi AKITA, et al.

FILING DATE  
September 5, 2001GROUP  
1634

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE       | NAME                   | CLASS | SUB<br>CLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|--------------------|------------|------------------------|-------|--------------|-------------------------------|
| B7F                 | AA | 5,843,767          | 12/01/98   | Kenneth L. BEATTIE     |       |              |                               |
|                     | AB | 6,037,186          | 03/14/2000 | Don STIMPSON           |       |              |                               |
|                     | AC | 6,183,970          | 02/06/2001 | Kazunori OKANO, et al. |       |              |                               |
|                     | AD | 6,071,702          | 06/06/2000 | Kenji YAMAMOTO, et al. |       |              |                               |
| B7F                 | AE | 6,129,896          | 10/10/2000 | Timothy NOONAN, et al. |       |              |                               |
|                     | AF |                    |            |                        |       |              |                               |
|                     | AG |                    |            |                        |       |              |                               |
|                     | AH |                    |            |                        |       |              |                               |
|                     | AI |                    |            |                        |       |              |                               |
|                     | AJ |                    |            |                        |       |              |                               |
|                     | AK |                    |            |                        |       |              |                               |
|                     | AL |                    |            |                        |       |              |                               |
|                     | AM |                    |            |                        |       |              |                               |
|                     | AN |                    |            |                        |       |              |                               |

## FOREIGN PATENT DOCUMENTS

|     |    | DOCUMENT<br>NUMBER | DATE     | COUNTRY                       | TRANSLATION<br>YES | NO |
|-----|----|--------------------|----------|-------------------------------|--------------------|----|
| B7F | AO | 4-46193            | 02/17/92 | JAPAN (with English Abstract) |                    | X  |
|     | AP | WO 99/13313        | 03/18/99 | WIPO                          |                    |    |
|     | AQ | WO 99/19711        | 04/22/99 | WIPO                          |                    |    |
| B7F | AR | WO 99/55460        | 11/04/99 | WIPO                          |                    |    |
|     | AS |                    |          |                               |                    |    |
|     | AT |                    |          |                               |                    |    |
|     | AU |                    |          |                               |                    |    |
|     | AV |                    |          |                               |                    |    |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

|     |    |  |
|-----|----|--|
| B7F | AW | Gennady YERSHOV, et al., Proc. Natl. Acad. Sci. USA, vol. 93, no. 10, pages 4913-4918, "DNA ANALYSIS AND DIAGNOSTICS ON OLIGONUCLEOTIDE MICROCHIPS", May 1996                            |
| B7F | AX | D. PROUDNIKOV, et al., Anal Biochem, vol. 259, no. 1, pages 34-41, "IMMOBILIZATION OF DNA IN POLYACRYLAMIDE GEL FOR THE MANUFACTURE OF DNA AND DNA-OLIGONUCLEOTIDE MICROCHIPS", May 1998 |
|     | AY |  |
|     | AZ |  |

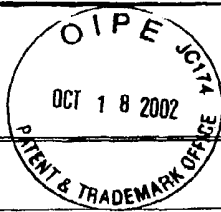
Examiner

B. L. Lison

Date Considered

9/28/04

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

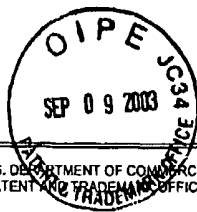


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|  |    |   |          |                                    |  |                          |                               |
| U.S. PATENT DOCUMENTS  |    |   |          |                                    |  |                          |                               |
| EXAMINER<br>INITIAL  |    | DOCUMENT<br>NUMBER  | DATE     | NAME                               | CLASS  | SUB<br>CLASS             | FILING DATE<br>IF APPROPRIATE |
| B7A  | AA | 5,486,126   | 01/23/96 | D. A. CATHEY, et al.               |  |                          |                               |
| B7A  | AB | 4,649,111   | 03/10/87 | R. KELLER, et al.                  |  |                          |                               |
|  | AC |   |          |                                    |  |                          |                               |
|  | AD |   |          |                                    |  |                          |                               |
| FOREIGN PATENT DOCUMENTS   |    |   |          |                                    |  |                          |                               |
|  |    | DOCUMENT<br>NUMBER  | DATE     | COUNTRY                            | TRANSLATION<br>YES NO  |                          |                               |
| B7A  | AE | 0 195 860   | 10/01/86 | EUROPE                             |  |                          |                               |
| B7A  | AF | 0 846 802   | 06/10/98 | EUROPE                             |  |                          |                               |
|  | AG |   |          |                                    |  |                          |                               |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  |    |   |          |                                    |  |                          |                               |
| B7A  | AH | Patent Abstracts of Japan, JP 6-262043, September 20, 1994  |          |                                    |  |                          |                               |
|  | AI | Patent Abstracts of Japan, JP 59-090605, May 25, 1984   |          |                                    |  |                          |                               |
|  | AJ | Patent Abstracts of Japan, JP 63-056611, March 11, 1988   |          |                                    |  |                          |                               |
|  | AK | Y. H. BAE, et al., Journal of Controlled Release, Vol. 53, No. 1-3, XP-004121275, pages. 249-258, "EXTRACELLULAR MATRIX FOR A RECHARGEABLE CELL DELIVERY SYSTEM," April 30, 1998              |          |                                    |  |                          |                               |
|  | AL | T. D. LI, et al., Journal of Membrane Science, Vol. 133, No. 2, XP-004092181, pages. 177-187, "HOLLOW-FIBER MEMBRANES COATED WITH POLYMERIZABLE BICONTINUOUS MICROEMULSIONS," October 1, 1997 |          |                                    |  |                          |                               |
|  | AM | Patent Abstracts of Japan, JP 11-036174, February 9, 1999   |          |                                    |  |                          |                               |
|  | AN | Patent Abstracts of Japan, JP 9-078453, March 25, 1997  |          |                                    |  |                          |                               |
|  | AO | Patent Abstracts of Japan, JP 1-136017, May 29, 1989  |          |                                    |  |                          |                               |
|  | AP | Patent Abstracts of Japan, JP 8-188967, July 23, 1996   |          |                                    |  |                          |                               |
|  | AQ | Patent Abstracts of Japan, JP 58-177140, October 17, 1983   |          |                                    |  |                          |                               |
| B7A  | AR | Patent Abstracts of Japan, JP 60-004197, January 10, 1985   |          |                                    |  |                          |                               |
|  | AS |   |          |                                    |  |                          |                               |
|  | AT |   |          |                                    |  |                          |                               |
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|  |    |   |          |                                    | <input type="checkbox"/> Additional References sheet(s) attached |                          |                               |
| Examiner <i>B. L. Linton</i>   |    |   |          |                                    | Date Considered <i>9/28/04</i>                                   |                          |                               |
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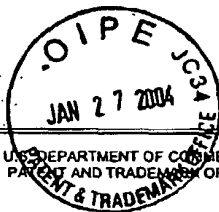
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| FOREIGN PATENT DOCUMENTS   |    |  |          |  |  |                          |                               |
|  |    | DOCUMENT<br>NUMBER   | DATE     | COUNTRY                                  | TRANSLATION<br>YES NO  |                          |                               |
| BZH  | AO | 11-342543  | 12/14/99 | JAPAN (with partial English translation) | ✓  |                          |                               |
|  | AP | 4-253560   | 09/09/92 | JAPAN (with partial English translation) | ✓  |                          |                               |
|  | AQ | 6-342  | 01/11/94 | JAPAN (with English Abstract)            |  |                          | X                             |
|  | AR | 63-69509   | 03/29/88 | JAPAN (with English Abstract)            |  |                          | X                             |
| BZH  | AS | 11-108928  | 04/23/99 | JAPAN (submitting English Abstract only) |  |                          |                               |
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| Examiner <i>B. J. Lison</i>  |    |  |          |  | <input type="checkbox"/> Additional References sheet(s) attached |                          |                               |
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## FOREIGN PATENT DOCUMENTS

|     |    | DOCUMENT<br>NUMBER | DATE       | COUNTRY | TRANSLATION |    |
|-----|----|--------------------|------------|---------|-------------|----|
|     |    |                    |            |         | YES         | NO |
| BJL | AO | WO 96/17246        | 06/06/1996 | WIPO    |             |    |
| BJL | AP | WO 99/03341        | 01/28/1999 | WIPO    |             |    |
|     | AQ |                    |            |         |             |    |
|     | AR |                    |            |         |             |    |
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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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|  | AW |  |  |
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☐ Additional References sheet(s) attached

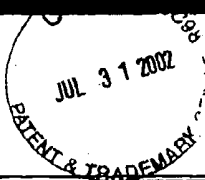
Examiner

B.L. Liao

Date Considered

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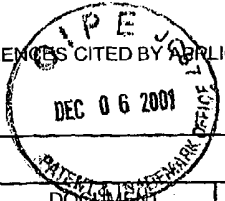
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| U.S. PATENT DOCUMENTS  |    |  |          |                                    |                       |                          |                               |
| EXAMINER<br>INITIAL  |    | DOCUMENT<br>NUMBER   | DATE     | NAME                               | CLASS                 | SUB<br>CLASS             | FILING DATE<br>IF APPROPRIATE |
| BTA  | AA | 5,753,227  | 05/19/98 | M. STRAHILEVITZ                    |                       |                          |                               |
| BTA  | AB | 5,786,216  | 07/28/98 | K. E. DIONNE, et al.               |                       |                          |                               |
|  | AC |  |          |                                    |                       |                          |                               |
|  | AD |  |          |                                    |                       |                          |                               |
|  | AE |  |          |                                    |                       |                          |                               |
|  | AF |  |          |                                    |                       |                          |                               |
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|  | AI |  |          |                                    |                       |                          |                               |
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|  | AM |  |          |                                    |                       |                          |                               |
|  | AN |  |          |                                    |                       |                          |                               |
| FOREIGN PATENT DOCUMENTS   |    |  |          |                                    |                       |                          |                               |
|  |    | DOCUMENT<br>NUMBER   | DATE     | COUNTRY                            | TRANSLATION<br>YES NO |                          |                               |
| BTA  | AO | WO 99/07458  | 02/18/99 | WIPO                               |                       |                          |                               |
|  | AP | 0 743 084  | 11/20/96 | EUROPE                             |                       |                          |                               |
| BTA  | AQ | WO 90/05018  | 05/17/90 | WIPO                               |                       |                          |                               |
|  | AR |  |          |                                    |                       |                          |                               |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)  |    |  |          |                                    |                       |                          |                               |
| BTA  | AW | Patent Abstracts of Japan, JP 59-189906, October 27, 1984            |          |                                    |                       |                          |                               |
| BTA  | AX | Database EPODOC Online, XP-002193928, KR 8 501 496, October 11, 1985 |          |                                    |                       |                          |                               |
|  | AY |  |          |                                    |                       |                          |                               |
|  | AZ |  |          |                                    |                       |                          |                               |
| Examiner<br>B.T. Liso  |    |  |          | Date Considered<br>9/28/04         |                       |                          |                               |
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| <b>FOREIGN PATENT DOCUMENTS</b>  |    |   |          |                                    |                            |                          |                               |
|  |    | DOCUMENT<br>NUMBER  | DATE     | COUNTRY                            | TRANSLATION<br>YES NO      |                          |                               |
| BFL  | AO | 11-108928   | 04/23/99 | JAPAN (abstract only in Engl)      | YES                        |                          | ✓                             |
|  | AP | WO 98/50782   | 11/12/98 | WIPO                               |                            |                          |                               |
|  | AQ | 11-000959   | 01/06/99 | JAPAN (abst. in English)           |                            |                          | ✓                             |
|  | AR | 9-111010  | 04/28/97 | JAPAN                              |                            |                          | ✓                             |
|  | AS | 8-188967  | 07/23/96 | JAPAN                              |                            |                          | ✓                             |
| BFL  | AT | 843 019   | 05/20/98 | EUROPE                             |                            |                          |                               |
|  | AU |   |          |                                    |                            |                          |                               |
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| BFL  | AW | J. A. FERGUSON, et al., National Biotechnol., Vol. 14, No. 13, pps. 1681-1684, "A FIBER-OPTIC DNA BIOSENSOR MICROARRAY FOR THE ANALYSIS OF GENE EXPRESSION," 1996 |          |                                    |                            |                          |                               |
|  | AX |   |          |                                    |                            |                          |                               |
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